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## CLAIMS

- 1. Method for dimensioning a cell of a mobile telecommunications network suitable for managing data calls associated to data terminals having different terminal capabilities, wherein the cell is characterised by a plurality of status, the method being characterised by the following steps:
- limiting the number of said plurality of status associated to said cell accessed by a plurality of 10 different traffic streams associated to said data terminals;
- determining medium death frequencies of a single cell status by considering determined sequences (S) of users accessing the cell and having a different repartition of 15 frequency of death;
  - determining a global set of cell status probabilities of said cell on the basis of data call arrival frequencies and of the medium death frequencies of data calls;
  - dimensioning said cell on the basis of said global set.
- 20 2. Method according to claim 1 characterised in that the step of limiting the number of said plurality of status comprises the step of separately analysing each traffic stream of said plurality of traffic streams offered by said data terminals.
- 25 3. Method according to claim 1 or 2 characterised in that each of said determined sequences has associated a set of sequences having the same repartition of the frequency of the death
- 4. Method according to the previous claims characterised in 30 that the network is a TDMA or TDMA/FDMA type network.
  - 5. Method according to claims 1 to 3 characterised in that the network is a GPRS type network.

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- 6. Cell of a mobile telecommunications network suitable for managing calls of different type data terminals, dimensioned by using the method as disclosed in claims 1 to 5.
- 5 7. A computer program product directly loadable in the internal memory of at least a computer and including software code portions performing the method of any of claims 1 to 5, when said product is run on at least a computer.